Express Mail No.: EL649157402US

Date of Deposit: 11 July 2003

COMMISSIONER FOR PATENTS P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s):

Qinbai FAN

For:

PHOTOELECTROLYSIS OF WATER USING PROTON EXCHANGE MEMBRANES

Enclosed are:

- Thirteen (13) pages of specification, six (6) pages of claims (Claims 1-26), one (1) page of Abstract, and four (4) sheets of drawings (Figs. 1-4).
- Executed combined Oath or Declaration, Power of Attorney and Petition.
- ☐ Certificate of Mailing by Express Mail.
- A verified statement to establish small entity status under 37 CFR 1.9 and 37 CFR 1.27.
- Recordation Form Cover Sheet, in duplicate, together with executed Assignment Document.
- Information Disclosure Statement, together with Form PTO-1449 (1 page) and with a copy of each and every cited reference.
- Return Receipt Postcard.

The filing fee has been calculated as shown below:

| COL. 1 | | | COL. 2 | SMALL ENTITY | | LARGE ENTITY | | |
|--|--------------|---------|--------------|--------------|-------|--------------|--------|-------------|
| FOR: | NO. FILED | | NO. EXTRA | RATE | FEE | OR | RATE | FEE |
| BASIC FEE | | | | | \$375 | OR | | \$750 |
| TOTAL CLAIMS | 26 | less 20 | 6 | X 09 = | 54 | OR | X 18 = | |
| INDEPENDENT CLAIMS | 2 | less 3 | 0 | X 42 = | 0 | OR | X 84 = | |
| MULTIPLE DEPENDENT CLAIMS PRESENTED | | | | +140 = | | OR | +280 = | |
| * IF THE DIFFERENCE IN COL. 1 IS LESS THAN ZERO, | | | | TOTAL | \$429 | OR | TOTAL | |

- Please charge my Account No. 502045 in the amount of (\$429.00). A duplicate copy of this sheet is enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 502045. A duplicate copy of this sheet is enclosed.
 - Any additional filing fees required under 37 CFR 1.16.
 - Any patent application processing fees under 37 CFR 1.17.

Gas Technology Institute 1700 South Mount Prospect Road Des Plaines, Illinois 60018 Phone (847) 768-0832 Fax (847) 768-0802

Mark E. Fejer

Registration No. 34,817

lach E.T.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Qinbai FAN

Title:

PHOTOELECTROLYSIS OF WATER USING

PROTON EXCHANGE MEMBRANES

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CERTIFICATE OF MAILING BY EXPRESS MAIL

Mail Stop PATENT APPLICATION

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

I hereby certify that the subject patent application is being deposited with the United States Postal Service as Express Mail Post Office to Addressee No. EL649157402US, on 11 July 2003, and is addressed to Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, together with the items listed below.

- Transmittal Letter, in duplicate
- Thirteen (13) pages of specification, six (6) pages of claims (Claims 1-26), one (1) page of Abstract, and four (4) sheets of drawings (Figs. 1-4)

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- One (1) Recordation Form Cover Sheet, in duplicate, together with executed Assignment Document
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Respectfully submitted,

Mark E. Fejer

Regis. No. 34,817

Mark B. T-

Gas Technology Institute 1700 South Mount Prospect Road Des Plaines, Illinois 60018 TEL (847) 768-0832; FAX (847) 768-0802